Applied Acoustics **29** (1990) 331–332

CONTENTS OF VOLUME 29

Number 1

Response of the Cochlear Basilar Membrane to Rising Frequency Sweep . . 1
SHYONG LEE (Taiwan)

Transmission Loss of Triple Partitions at Low Frequencies 15
R. YU. VINOKUR (USSR)

On the Accuracy of Sound Pressure Level Measurements in Rooms . . . 25
ROBERT J. M. CRAIK (UK)

Comparison of the Mirror Image Source Method and the Sound Particle Simulation Method 35
U. STEPHENSON (FRG)

Technical Note

Ultrasonic Velocity as a Non-invasive Measure of Temperature in Biological Media 73
V. R. SINGH, SUNITA CHAUHAN, SANJAY YADAV & S. K. CHAKARVARTI (India)

Letter to the Editor 81

Book Review 83

Announcement 85

Calendar 87

Number 2

Effect of Inner Wall Radius on Sound Attenuation in Straight Annular Ducts . 91
J. C. LEE, Y. N. CHEN & C. C. TSE (Taiwan)

Using an Engine-Cylinder-Pressure-Damping Device to Reduce Small Spark-Ignition Engine Noise 109
M. K. LIM & S. C. LOW (Singapore)

Noise-Attenuating Earmuff Comfort: A Brief Review and Investigation of Band-Force, Cushion, and Wearing-Time Effects 117
JOHN G. CASALI & JAMES F. GRENELL (USA)

Acoustic Design of an Anechoic Chamber 139
XIANG DUANQI, WANG ZHENG & CHEN JINJING (People's Republic of China)

Technical Note

A Low-Volume, Low-Frequency Noise Chamber 151
R. PÄÄKKÖNEN & J. TIKKANEN (Finland)

Applied Acoustics (**29**) (1990)—© 1990 Elsevier Science Publishers Ltd, England. Printed in Great Britain

Letter to the Editors 167

Book Review 171

Calendar 173

Number 3

Noise-Control Investigation of Material-Testing Mchines 177
K. BUTLEWSKI & M. M. SADEK (Kuwait)

Impulse-Response and Reverberation-Decay Measurements Made by Using a Periodic Pseudorandom Sequence 193
W. T. CHU (Canada)

The Application of the Sound-Intensity Technique to Defect Detection in Rolling-Element Bearings 207
N. TANDON & B. C. NAKRA (India)

A Study of Variation in the Natural Frequency of Steel Castings Containing Porosity and Inclusions 219
K. N. TANDON & J. BEGIN (Canada)

Attenuation of Explosive Noise by Natural Barriers 229
D. J. SAUNDERS (UK)

Technical Notes

Narrow-Band Frequency Analysis Using a 1/3-Octave-Band Real-Time Analyser 241
WILLIBRORD H. T. HUISMAN (The Netherlands)

A Standard Equation for the Speed of Sound in Seawater 247
J. S. ROBERTSON (USA)

Calendar 253

Number 4

Analysis of the Structure-Borne Sound in an Existing Building by the SEA Method 255
HIROTO FURUKAWA, KYOJI FUJIWARA, YOICHI ANDO & ZYUN-ITI MAEKAWA (Japan)

Analysis of the Acoustical Environment of Urban Dwellings 273
LIU XIAOTU (People's Republic of China)

Instrumentation Techniques for Acousto-optic Studies in Complex Materials . 289
V. R. SINGH (India)

Technical Notes

Acoustic Refurbishment of a Large-Volume Gymnasium by Means of a Lightweight Suspended Absorbing Ceiling 305
ZHEN KAI YUAN & SUN MING YUAN (People's Republic of China)

Approximate Formulae for Short-Distance Outdoor Sound Propagation . . 313
KARSTEN BO RASMUSSEN (Denmark)

Letter to the Editors 325

Calendar 327